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By: Nancy Ramos Printed: Nancy Ramos

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Lal et al.

Title: SYNAPTOJANIN ISOFORM

Serial No.: To Be Assigned

Filing Date: Herewith

Examiner: To Be Assigned

Group Art Unit: To Be Assigned

Official Draftsman

Commissioner for Patents
Washington, D.C. 20231

SUBMISSION OF FORMAL DRAWINGS

Sir:

Transmitted herewith are Figure(s) 1A, 1B, 1C, 1D, 1E, 2, 3A, 3B, as eight (8) sheets of formal drawings for this application. Each sheet of drawing indicates the identifying indicia suggested in 37 CFR Section 1.84(c) on the reverse side of the drawings.

Applicants believe that no fee is due with this paper. However, if the Commissioner determines that a fee is necessary, the Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No. 09-0108. **A duplicate copy of this communication is enclosed.**

If there are any questions regarding the above, the Examiner is invited to call the undersigned at 650-855-0555.

Respectfully submitted,

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5' NGC GTG TCA CGC GTC CGG TCG ACA GGT TCA ACT TTC CTT CCT GAA CCA CTG AAG	9	18	27	36	45	54
CCT CAG GCT GCT TTT CCT CCG CGG TCT TCT TTG GCG CCG CCT GCT CAA AGG TTG	63	72	81	90	99	108
CAA GAG CCT CTT GTC CCT GTG GCA CCT ATG CCT CAG TCT GGC CCC CAG CCA	117	126	135	144	153	162
AAAT TTG GAA ACC CCA CAA CCA CCT CGA AGC AGG TCA TCC CAT AGC TTG	171	180	189	198	207	216
CCT TCA GAA GCT TCC TCA CAA CCG CAA GTA AAA ACA AAT GGA ATC TCT GAT GGC	225	234	243	252	261	270
AAA AGA GAA TCA CCA TTA AAG ATT GAC CCA TTT GAA GAT CTG TCA TTT AAT CTG	279	288	297	306	315	324

N L E T P P Q P P P P R S R S H S L
 P S E A S S Q P Q V K T N G I S D G
 K R E S P L K I D P F E D L S F N L

FIGURE 1A

333	GTA	TCA	AAG	GCT	CAG	CTA	TCT	GTT	CAA	ACG	TCA	CCT	GTT	CCC	ACC	CCA	378
	L	A	V	S	K	A	Q	L	S	V	Q	T	S	P	V	P	T
387	CCA	AAG	AGG	TTG	ATT	CAG	TTG	CCT	TCT	GCA	ACG	CAA	AGT	AAT	GTT	AAT	ACT
	D	P	K	R	L	I	Q	L	P	S	A	T	Q	S	N	V	N
441	AGT	TCT	GTA	AGT	TGC	ATG	CCA	ACA	ATG	CCT	CCA	ATT	CCA	GCT	CGG	AGT	CAA
	L	S	S	V	S	C	M	P	T	M	P	P	I	P	A	R	S
495	CAG	GAA	AAT	ATG	CGA	AGT	TCT	CCA	AAC	CCA	TTT	ATT	ACT	GGC	TTG	ACC	AGG
	S	Q	E	N	M	R	S	S	P	N	P	F	I	T	G	L	T
549	AAT	CCT	TTC	AGT	GAC	AGG	ACT	GCT	GCT	CCT	GGA	AAC	CCA	TTT	AGA	GCC	AAG
	T	N	P	F	S	D	R	T	A	A	P	G	N	P	F	R	A
603	GAA	GAA	TCA	GAG	GCA	ACT	TCA	TGG	TTT	TCC	AAA	GAA	GAG	CCC	GTT	ACT	ATC
	S	E	E	S	E	A	T	S	W	F	S	K	E	E	P	V	T

FIGURE 1B

657	AGT	CCT	TTC	CCT	CTG	CAG	CCT	CTT	GGT	CAT	AAC	AAA	AGC	AGG	GCT	TCA	702
	S	P	F	P	S	L	Q	P	L	G	H	N	K	S	R	A	S
																	693
																	702
711	TCA	CTT	GAT	GGC	TTT	AAG	GAC	AGT	TTT	GAT	CTA	CAG	GGC	CAG	TCT	ACA	756
	S	L	D	G	F	K	D	S	F	D	L	Q	G	Q	S	T	K
																	747
																	756
765	ATT	AGC	AAC	CCG	AAA	GGA	TGG	GTA	ACC	TTC	GAG	GAA	GAG	GAT	TTT	GGT	810
	I	S	N	P	K	G	W	V	T	F	E	E	E	D	F	G	810
																	801
																	810
819	AAA	GGG	AAG	TCA	AAG	TCA	GCT	TGT	TCA	GAC	TTA	CTG	GGT	AAT	CAG	CCA	864
	K	G	K	S	K	S	A	C	S	D	L	L	G	N	Q	P	864
																	855
																	864
873	TTT	TCT	GGC	TCC	AAC	CTG	ACA	TTG	AAT	GAT	GAC	TGG	AAT	AAA	GGT	ACA	918
	F	S	G	S	N	L	T	L	N	D	D	W	N	K	G	T	918
																	909
																	918
927	TCC	TTC	TGT	GTG	TTG	CCG	TCA	AGA	AGA	CCT	CCT	CCA	CCT	CCT	GTC	CCT	972
	S	F	C	V	L	P	S	R	R	P	P	P	P	P	V	L	972
																	963
																	972

FIGURE 1C

981	990	999	1008	1017	1026
CGC CCC GGC ACC AGC CCT CCA GTA GAT CCT TTC ACG ACC TTG GCC TCT AAG GGT					
P P G T S P P P V D P F T L A S K A					
1035	1044	1053	1062	1071	1080
TCA CCC ACA CTG GAC TTT ACA GAA AGA TAA CGC CAT GCA ATA GAA AAC AGT GGG					
S P T L D F T E R					
1089	1098	1107	1116	1125	1134
TAC TTG CTT TTG GCA GGA TAG AGC TAA GAG AAT TGG GCA TTA GTA TTT CAT TAT					
1143	1152	1161	1170	1179	1188
GTG CAA TAA GTC ATT GTA AGT GCA CTG ATA TCT TCA CAA AAC ACC ACT ATT TGA					
1197	1206	1215	1224	1233	1242
TGT GTA CAG AGT TGG ACT ATG TGT ATA TTG GAA ATA AGG AAA AAC CCT TCT CAT					
1251	1260	1269	1278	1287	1296
TGT TAA CTG GAG TTT TGA TGT ATT TCT CTT TGG ATG AAT AGG AGA CAG TAG TAG					

FIGURE 1D

1305	1314	1323	1332	1341	1350
CCA TAA AAA GTA CTT ATA CTT TAG AAA ACA GTC CTT ATT CAG AAA CTT TTC GGT					
1359	1368	1377	1386	1395	1404
CAG TCT TCT GAA GAA TCT CAA AAA GCC CAC CCA ACT TTT CAG CTG ACA TTT CCA					
1413	1422	1431	1440	1449	1458
CCA GCC CTC TCA AAT TTG TTA ACT ATT GGT ATC TTT GAG TAT TTA CCC AAG AGC					
1467	1476	1485	1494	1503	1512
TGC CAA GGT TAC AGT GAA CAG AGT TTT GAA AGG CAT TGC TTT AAA GGA AAA AAG					
1521	1530	1539	1548	1557	
TAT AGG TAT GTG TAC ATA TAN ATT TCA TAT TTT CAC ACG TAC TTC CGT CCC CC 3'					

FIGURE 1E

1	M	P	Q	S	G	P	Q	P	N	L	E	T	P	P	Q	P	P	R	S	S	H	S	L	P	S	E	A	S	S	Q	P	Q	V	K	T	N	G	NSYN-1	g1166576			
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
41	I	S	D	G	K	R	E	S	P	L	K	I	D	P	F	E	D	L	S	F	N	L	L	A	V	S	K	A	Q	L	S	V	Q	T	S	P	V	P	T	P	NSYN-1	g1166576
8	A	C	G	V	K	Q	E	P	T	L	K	S	D	P	F	E	D	L	S	L	S	V	L	A	V	S	K	A	Q	P	S	A	Q	I	S	P	V	L	T	P		
81	D	P	K	R	L	I	Q	L	P	S	A	T	Q	S	N	V	N	T	L	S	S	V	S	C	M	P	T	M	P	P	I	P	A	R	S	Q	S	Q	E	N	NSYN-1	g1166576
48	D	P	K	M	L	I	Q	L	P	S	A	S	Q	S	K	V	N	S	L	S	S	V	S	C	M	L	T	M	P	P	V	P	E	Q	S	K	S	Q	E	S		
121	M	R	S	S	P	N	P	F	I	T	G	L	T	R	T	N	P	F	S	D	R	T	A	A	P	G	N	P	F	R	A	K	S	E	E	S	E	A	T	S	NSYN-1	g1166576
88	V	G	S	S	A	N	P	F	-	P	S	L	P	T	R	N	P	F	T	D	R	T	A	A	P	G	N	P	F	R	V	Q	S	Q	E	S	E	A	T	S		
161	W	F	S	K	E	E	P	V	T	I	S	P	F	P	S	L	Q	P	L	G	H	N	K	S	R	A	S	S	S	L	D	G	F	K	D	S	F	D	L	Q	NSYN-1	g1166576
127	W	L	S	K	E	E	P	V	S	N	S	P	F	P	L	M	P	L	S	H	D	M	S	K	P	S	S	S	L	D	G	F	E	D	N	F	D	L	Q			
201	G	Q	S	T	L	K	I	S	N	P	K	G	W	V	T	F	E	E	E	D	F	G	V	K	G	K	S	K	S	A	C	S	D	L	L	G	N	Q	P	NSYN-1	g1166576	
167	S	Q	S	T	V	K	T	S	N	P	K	G	W	V	T	F	D	E	D	E	F	P	T	K	G	K	S	R	S	V	Y	P	D	S	L	G	N	T	A			
241	S	S	F	S	G	S	N	L	T	L	N	D	D	W	N	K	G	T	N	V	S	F	C	V	L	P	S	R	R	R	P	P	P	P	P	P	P	P	P	P	NSYN-1	g1166576
207	A	S	E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
279	P	P	G	T	S	P	P	V	D	P	F	T	T	L	A	S	K	A	S	P	T	L	D	F	T	E	R												NSYN-1	g1166576		
240	P	P	G	T	S	S	A	G	E	S	T	T	L	S	S	K	A	S	P	T	L	D	F	T	E	R																

FIGURE 2

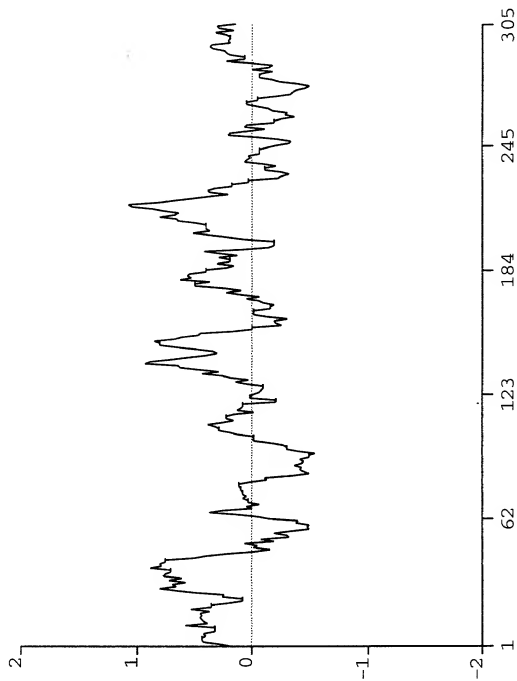


FIGURE 3A

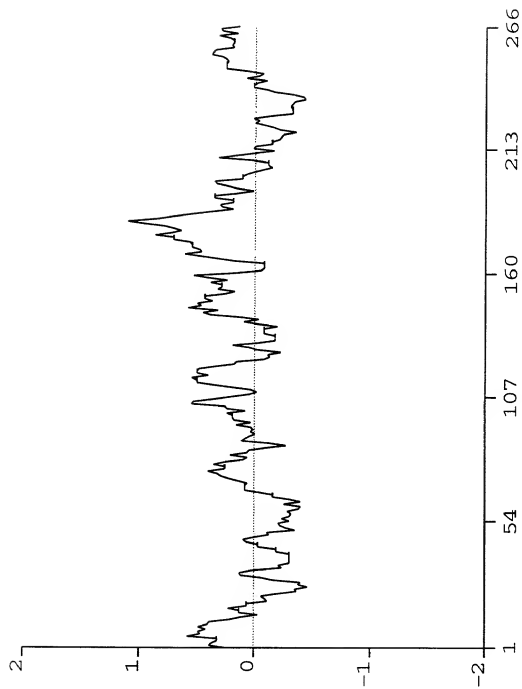


FIGURE 3B